

APPARATUS AND METHOD FOR IN-LINE MANUFACTURING OF DISPOSABLE HY- GIENIC ABSORBENT PRODUCTS AND PRODUCT PRODUCED BY THE APPARA- TUS AND METHODS

Abstract

Methods, apparatus and disposable hygienic absorbent products involving melt processing a synthetic resin or resins, such as a thermoplastic, in an in-line process. The melt processing operations can be melt spinning processes such as spunbonding and/or meltblowing the resin(s). One or more through air bonders are used in the process to provide bonding between fibers or filaments while retaining the liquid management properties of the fibers or filaments in the disposable hygienic absorbent product. Other melt processing operations, such as film extrusion, may also be used to form one or more layers in the disposable hygienic absorbent product.